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APR 11 2000

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RAW SEQUENCE LISTING

DATE: 07/14/1999

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PATENT APPLICATION US/09/272,809

TIME: 11:07:08

Input Set: I272809.RAW

This Raw Listing contains the General Information  
Section and up to first 5 pages.

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1 <110> APPLICANT: Lagarias, John C.  
2 <120> TITLE OF INVENTION: Phytofluors as fluorescent labels  
3 <130> FILE REFERENCE: 2500.118US0  
4 <140> CURRENT APPLICATION NUMBER: US/09/272,809  
5 <141> CURRENT FILING DATE: 1998-03-19  
6 <160> NUMBER OF SEQ ID NOS: 24  
7 <170> SOFTWARE: PatentIn Ver. 2.0  
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9 <211> LENGTH: 748  
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13 <223> OTHER INFORMATION: Description of Unknown Organism: Locus SLR0473 =  
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19 20 25 30  
20 Val Val Leu Gln Glu Pro Asp Leu Thr Ile Ser Gln Ile Ser Ala Asn  
21 35 40 45  
22 Cys Thr Gly Ile Leu Gly Arg Ser Pro Glu Asp Leu Leu Gly Arg Thr  
23 50 55 60  
24 Leu Gly Glu Val Phe Asp Ser Phe Gln Ile Asp Pro Ile Gln Ser Arg  
25 65 70 75 80  
26 Leu Thr Ala Gly Gln Ile Ser Ser Leu Asn Pro Ser Lys Leu Trp Ala  
27 85 90 95  
28 Arg Val Met Gly Asp Asp Phe Val Ile Phe Asp Gly Val Phe His Arg  
29 100 105 110  
30 Asn Ser Asp Gly Leu Leu Val Cys Glu Leu Glu Pro Ala Tyr Thr Ser  
31 115 120 125  
32 Asp Asn Leu Pro Phe Leu Gly Phe Tyr His Met Ala Asn Ala Ala Leu  
33 130 135 140  
34 Asn Arg Leu Arg Gln Gln Ala Asn Leu Arg Asp Phe Tyr Asp Val Ile  
35 145 150 155 160  
36 Val Glu Glu Val Arg Arg Met Thr Gly Phe Asp Arg Val Met Leu Tyr  
37 165 170 175  
38 Arg Phe Asp Glu Asn Asn His Gly Asp Val Ile Ala Glu Asp Lys Arg  
39 180 185 190  
40 Asp Asp Met Glu Pro Tyr Leu Gly Leu His Tyr Pro Glu Ser Asp Ile  
41 195 200 205  
42 Pro Gln Pro Ala Arg Arg Leu Phe Ile His Asn Pro Ile Arg Val Ile  
43 210 215 220  
44 Pro Asp Val Tyr Gly Val Ala Val Pro Leu Thr Pro Ala Val Asn Pro

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 48 Tyr His Cys His Leu Thr Tyr Leu Lys Asn Met Gly Val Gly Ala Ser  
 49 260 265 270  
 50 Leu Thr Ile Ser Leu Ile Lys Asp Gly His Leu Trp Gly Leu Ile Ala  
 51 275 280 285  
 52 Cys His His Gln Thr Pro Lys Val Ile Pro Phe Glu Leu Arg Lys Ala  
 53 290 295 300  
 54 Cys Glu Phe Phe Gly Arg Val Val Phe Ser Asn Ile Ser Ala Gln Glu  
 55 305 310 315 320  
 56 Asp Thr Glu Thr Phe Asp Tyr Arg Val Gln Leu Ala Glu His Glu Ala  
 57 325 330 335  
 58 Val Leu Leu Asp Lys Met Thr Thr Ala Ala Asp Phe Val Glu Gly Leu  
 59 340 345 350  
 60 Thr Asn His Pro Asp Arg Leu Leu Gly Leu Thr Gly Ser Gln Gly Ala  
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 62 Ala Ile Cys Phe Gly Glu Lys Leu Ile Leu Val Gly Glu Thr Pro Asp  
 63 370 375 380  
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 65 385 390 395 400  
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 67 405 410 415  
 68 Val Asn Phe Lys Ser Val Ala Ser Gly Leu Leu Ala Ile Pro Ile Ala  
 69 420 425 430  
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 71 435 440 445  
 72 Asn Trp Gly Gly Asp Pro Asn His Ala Tyr Glu Ala Thr Gln Glu Asp  
 73 450 455 460  
 74 Gly Lys Ile Glu Leu His Pro Arg Gln Ser Phe Asp Leu Trp Lys Glu  
 75 465 470 475 480  
 76 Ile Val Arg Leu Gln Ser Leu Pro Trp Gln Ser Val Glu Ile Gln Ser  
 77 485 490 495  
 78 Ala Leu Ala Leu Lys Lys Ala Ile Val Asn Leu Ile Leu Arg Gln Ala  
 79 500 505 510  
 80 Glu Glu Leu Ala Gln Leu Ala Arg Asn Leu Glu Arg Ser Asn Ala Asp  
 81 515 520 525  
 82 Leu Lys Lys Phe Ala Tyr Ile Ala Ser His Asp Leu Gln Glu Pro Leu  
 83 530 535 540  
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 85 545 550 555 560  
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 87 565 570 575  
 88 Val Ser Leu Met Gln Thr Leu Ile Asp Asp Ile Leu Thr Tyr Ala Lys  
 89 580 585 590  
 90 Val Asp Thr Gln Tyr Ala Gln Leu Thr Phe Thr Asp Val Gln Glu Val  
 91 595 600 605  
 92 Val Asp Lys Ala Leu Ala Asn Leu Lys Gln Arg Ile Glu Glu Ser Gly  
 93 610 615 620  
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 99               660               665               670  
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 101               675               680               685  
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 105               705               710               715               720  
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 131       Ile Ser Pro Thr Glu His Ser Asn Gly His Tyr Thr Thr Val Asp Ser  
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 134               130               135               140  
 135       Val Pro Val Met Gln Asp Gln Gln Leu Trp Gly Ile Met Ala Val His  
 136               145               150               155               160  
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 148 245 250 255  
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 150 260 265 270  
 151 Glu Leu Met Arg Gly Gln Pro Ser Ala Ala Met Glu Pro Met Ala Ala  
 152 275 280 285  
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 154 290 295 300  
 155 Leu Pro Pro Thr Asn Cys Val Pro His Gly Tyr Thr Leu Gly Glu Leu  
 156 305 310 315 320  
 157 Glu Gln Arg Ser Asp Trp Ile Ala Pro Pro Glu Ser Leu Ser Ala Glu  
 158 325 330 335  
 159 Asn Phe Gln Ser Phe Leu Ile Val Pro Leu Ala Ala Asp Gln Gln Trp  
 160 340 345 350  
 161 Val Gly Ser Leu Ile Leu Leu Arg Lys Glu Lys Ser Leu Val Lys His  
 162 355 360 365  
 163 Trp Ala Gly Lys Arg Gly Ile Asp Arg Arg Asn Ile Leu Pro Arg Leu  
 164 370 375 380  
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 166 385 390 395 400  
 167 Arg Ser Glu Arg Lys Leu Ala Gln Val Ala Ser Thr Gln Leu Tyr Met  
 168 405 410 415  
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 172 435 440 445  
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 176 465 470 475 480  
 177 Gly His Lys Thr Gly Asp Gly Leu Leu Gln Glu Val Ala Asp Arg Leu  
 178 485 490 495  
 179 Asn Gln Lys Leu Ser Pro Leu Ala Ala Tyr Ser Pro Leu Leu Ser Arg  
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 181 Trp His Gly Asp Gly Phe Thr Ile Leu Leu Thr Gln Ile Ser Asp Asn  
 182 515 520 525  
 183 Gln Glu Met Ile Pro Leu Cys Glu Arg Leu Leu Ser Thr Phe Gln Glu  
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 186 545 550 555 560  
 187 Ile Ser Thr Ala Pro Tyr Asp Gly Glu Thr Ala Glu Ser Leu Leu Lys  
 188 565 570 575  
 189 Phe Ala Glu Ile Ala Leu Thr Arg Ala Lys Cys Gln Gly Lys Asn Thr  
 190 580 585 590  
 191 Tyr Gln Phe Tyr Arg Pro Gln Asp Ser Ala Pro Met Leu Asp Arg Leu  
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200 660 665 670  
201 Leu Gly Gln Trp Val Leu Glu Thr Ala Cys Ala Thr His Gln His Phe  
202 675 680 685  
203 Phe Arg Glu Thr Gly Arg Arg Leu Arg Met Ala Val Asn Ile Ser Ala  
204 690 695 700  
205 Arg Gln Phe Gln Asp Glu Lys Trp Leu Asn Ser Val Leu Glu Cys Leu  
206 705 710 715 720  
207 Lys Arg Thr Gly Met Pro Pro Glu Asp Leu Glu Leu Glu Ile Thr Glu  
208 725 730 735  
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212 755 760 765  
213 Tyr Ser Ser Leu Ser Ile Leu Lys Gln Leu Pro Ile His Arg Leu Lys  
214 770 775 780  
215 Ile Asp Lys Ser Phe Val Asn Asp Leu Leu Asn Glu Gly Ala Asp Thr  
216 785 790 795 800  
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219 Thr Val Ala Glu Gly Ile Glu Ser Glu Ala Gln Leu Gln Arg Leu Gln  
220 820 825 830  
221 Lys Met Gly Cys His Leu Gly Gln Gly Tyr Phe Leu Thr Arg Pro Leu  
222 835 840 845  
223 Pro Ala Glu Ala Met Met Thr Tyr Leu Tyr Tyr Pro Gln Ile Leu Asp  
224 850 855 860  
225 Phe Gly Pro Thr Pro Pro Leu Pro Lys Val Ala Leu Pro Glu Thr Glu  
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228 885 890 895  
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235 Tyr Ser Thr Val Thr Glu Val Arg Gln Phe Leu Asn Thr Asp Arg Val  
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VERIFICATION SUMMARY  
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Line ? Error/Warning

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